



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS



7 APR 2017

MEMORANDUM FOR SGVT

ATTN: CAPT JOSHUA M. TATE

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled Who is Distressed? Applying the Diabetes-Related Distress Scale in A Diabetes Clinic presented at/published to American Diabetes Association 2017 Meeting, San Francisco, CA (National Conference), 9-16 June 2017 (Poster & Presentation) in accordance with MDWI 41-108, has been approved and assigned local file #17146.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are a 59 MDW staff member, we can forward your request for funds to the designated Wing POC at the Chief Scientist's Office, Ms. Alice Houy, office phone: 210-292-8029; email address: [alice.houy.civ@mail.mil](mailto:alice.houy.civ@mail.mil).
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

Linda Steel-Goodwin

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support



# PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS

## INSTRUCTIONS

### USE ONLY THE MOST CURRENT 59 MDW FORM 3039 LOCATED ON AF E-PUBLISHING

1. The author must complete page two of this form:
  - a. In Section 2, add the funding source for your study [ e.g., 59 MDW CRD Graduate Health Sciences Education (GHSE) (SG5 O&M); SG5 R&D; Tri-Service Nursing Research Program (TSNRP); Defense Medical Research & Development Program (DMRDP); NIH; Congressionally Directed Medical Research Program (CDMRP) ; Grants; etc.]
  - b. In Section 2, there may be funding available for journal costs, if your department is not paying for figures, tables or photographs for your publication. Please state "YES" or "NO" in Section 2 of the form, if you need publication funding support.
2. Print your name, rank/grade, sign and date the form in the author's signature block or use an electronic signature.
3. Attach a copy of the 59 MDW IRB or IACUC approval letter for the research related study. If this is a technical publication/presentation, state the type (e.g. case report, QA/QI study, program evaluation study, informational report/briefing, etc.) in the "Protocol Title" box.
4. Attach a copy of your abstract, paper, poster and other supporting documentation.
5. Save and forward, via email, the processing form and all supporting documentation to your unit commander, program director or immediate supervisor for review/approval.
6. On page 2, have either your unit commander, program director or immediate supervisor:
  - a. Print their name, rank/grade, title; sign and date the form in the approving authority's signature block or use an electronic signature.
7. Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). **This should be accomplished no later than 30 days before final clearance is required to publish/present your materials.** If you have any questions or concerns, please contact the 59 CRD/Publications and Presentations Section at 292-7141 for assistance.
8. The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISG/JAC (Ethics Review) and Public Affairs (59 MDW/PA) for review and then forward you a final letter of approval or disapproval.
9. Once your manuscript, poster or presentation has been approved for a one-time public release, you may proceed with your publication or presentation submission activities, as stated on this form. **Note:** For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.
10. If your manuscript is accepted for scientific publication, please contact the 59 CRD/Publications and Presentations Section at 292-7141. This information is reported to the 59 MDW/CC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DITC). See 59 MDWI 41-108, *Presentation and Publication of Medical and Technical Papers*, for additional information.
11. The Joint Ethics Regulation (JER) DoD 5500.07-R, *Standards of Conduct*, provides standards of ethical conduct for all DoD personnel and their interactions with other non-DoD entities, organizations, societies, conferences, etc. Part of the Form 3039 review and approval process includes a legal ethics review to address any potential conflicts related to DoD personnel participating in non-DoD sponsored conferences, professional meetings, publication/presentation disclosures to domestic and foreign audiences, DoD personnel accepting non-DoD contributions, awards, honoraria, gifts, etc. The specific circumstances for your presentation will determine whether a legal review is necessary. **If you (as the author) or your supervisor check "NO" in block 17 of the Form 3039, your research or technical documents will not be forwarded to the 502 ISG/JAC legal office for an ethics review.** To assist you in making this decision about whether to request a legal review, the following examples are provided as a guideline:

For presentations before professional societies and like organizations, the 59 MDW Public Affairs Office (PAO) will provide the needed review to ensure proper disclaimers are included and the subject matter of the presentation does not create any cause for DoD concern.

If the sponsor of a conference or meeting is a DoD entity, an ethics review of your presentation is not required, since the DoD entity is responsible to obtain all approvals for the event.

If the sponsor of a conference or meeting is a non-DoD commercial entity or an entity seeking to do business with the government, then your presentation should have an ethics review.

If your travel is being paid for (in whole or in part) by a non-Federal entity (someone other than the government), a legal ethics review is needed. These requests for legal review should come through the 59 MDW Gifts and Grants Office to 502 ISG/JAC.

If you are receiving an honorarium or payment for speaking, a legal ethics review is required.

If you (as the author) or your supervisor check "YES" in block 17 of the Form 3039, your research or technical documents will be forwarded simultaneously to the 502 ISG/JAC legal office and PAO for review to help reduce turn-around time. If you have any questions regarding legal reviews, please contact the legal office at (210) 671-5795/3365, DSN 473.

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement:

**"The views expressed are those of the [author(s)] [presenter(s)] and do not reflect the official views or policy of the Department of Defense or its Components"**

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving humans:

**"The voluntary, fully informed consent of the subjects used in this research was obtained as required by 32 CFR 219 and DODI 3216.02\_AFI 40-402."**

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving animals, as required by AFMAN 40-401\_IP :

**"The experiments reported herein were conducted according to the principles set forth in the National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."**



# **PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

1. TO: CLINICAL RESEARCH 2. FROM: (Author's Name, Rank, Grade, Office Symbol)  
TATE, JOSHUA M., CAPT, O3, SGVT 3. GME/GHSE STUDENT: ☒ YES ☐ NO 4. PROTOCOL NUMBER:  
2017001H

5. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.)

Using the Diabetes-Related Distress Scale in Clinical Practice

6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED:

Who is Distressed? Applying the Diabetes-Related Distress Scale in a Diabetes Clinic

7. FUNDING RECEIVED FOR THIS STUDY? ☐ YES ☒ NO FUNDING SOURCE: N/A

8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: ☐ YES ☒ NO

9. IS THIS MATERIAL CLASSIFIED? ☐ YES ☒ NO

10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.? ☐ YES ☒ NO NOTE: If the answer is YES then attach a copy of the Agreement to the Publications/Presentations Request Form.

11. MATERIAL IS FOR: ☒ DOMESTIC RELEASE ☐ FOREIGN RELEASE

CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.

☐ 11a. PUBLICATION/JOURNAL (List intended publication/journal.)

☐ 11b. PUBLISHED ABSTRACT (List intended journal.)

☒ 11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)  
American Diabetes Association 2017 Meeting - San Francisco, CA (National Conference) - 9 Jun 17 SURF - San Antonio, TX - 16 Jun 17

☒ 11d. PLATFORM PRESENTATION (At civilian institutions: name of meeting, state, and date of meeting.)  
American Diabetes Association 2017 Meeting - San Francisco, CA (National Conference) - 9 Jun 17 SURF - San Antonio, TX - 16 Jun 17

☐ 11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)

12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?  
☐ YES ☒ NO ASSIGNED FILE # \_\_\_\_\_ DATE \_\_\_\_\_

13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC  
NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).

DATE  
April 20, 2017

14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)  
Tate, Joshua M (joshua.m.tate8.mil@mail.mil)

15. DUTY PHONE/PAGER NUMBER  
210-916-8589

16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.

LAST NAME, FIRST NAME AND M.I.	GRADE/RANK	SQUADRON/GROUP/OFFICE SYMBOL	INSTITUTION (If not 59 MDW)
a. Primary/Corresponding Author Tate, Joshua M.	CAPT/O3	959CSPS/SGVT	
b. Wardian, Jana		959 MDSS/DCOE	
c. Folaron, Irene	LtCol/O5	959MDOS/SGO5E	
d. True, Mark	Col/O6	959MDOS/SGO5E	
e. Sauerwein, Tom		959 MDSS/DCOE	

17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? ☐ YES ☒ NO

I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401\_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.

18. AUTHOR'S PRINTED NAME, RANK, GRADE  
Tate, Joshua M./CAPT/O3

19. AUTHOR'S SIGNATURE

TATE.JOSHUA.M.1393077316

20. DATE

24Feb2017

21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE  
Irene Folaron, Lt Col, Program Director

22. APPROVING AUTHORITY'S SIGNATURE

FOLARON.IRENE.1145914724

23. DATE

24 Feb 2017

# **PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

## **1st ENDORSEMENT (59 MDW/SGVU Use Only)**

TO: Clinical Research Division 59 MDW/CRD Contact 292-7141 for email instructions.		24. DATE RECEIVED March 20, 2017	25. ASSIGNED PROCESSING REQUEST FILE NUMBER 17146
26. DATE REVIEWED March 22, 2017		27. DATE FORWARDED TO 502 ISG/JAC	
28. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If yes, give date. _____ <input type="checkbox"/> N/A			
29. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED Presenation of IRB approved research with appropriate disclaimers. approved			
30. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Kevin Kupferer/GS13/Human Research Subject Protection Expert		31. REVIEWER SIGNATURE KUPFERER KEVIN R. 1086667270 <small>Digitally signed by KUPFERER KEVIN R. 1086667270 DN: cn=KUPFERER KEVIN R. 1086667270, o=59 MDW/CRD, ou=HUMAN RESEARCH SUBJECT PROTECTION, email=KUPFERER.KEVIN.R.1086667270@59MDW.COM, c=US Date: 2017.03.22 13:47:28 -0500</small>	32. DATE March 22, 2017

## **2nd ENDORSEMENT (502 ISG/JAC Use Only)**

33. DATE RECEIVED	34. DATE FORWARDED TO 59 MDW/PA
35. COMMENTS <input type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED	
36. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	37. REVIEWER SIGNATURE
	38. DATE

## **3rd ENDORSEMENT (59 MDW/PA Use Only)**

39. DATE RECEIVED March 22, 2017	40. DATE FORWARDED TO 59 MDW/SGVU March 22, 2017
41. COMMENTS <input checked="" type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED	
42. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Kevin Inuma, SSgt/E-5, 59 MDW Public Affairs	43. REVIEWER SIGNATURE IINUMA KEVIN.MITSUGU.1296227 613 <small>Digitally signed by IINUMA KEVIN.MITSUGU.1296227 DN: cn=IINUMA KEVIN.MITSUGU.1296227, o=59 MDW/PA, ou=PUBLIC AFFAIRS, email=IINUMA.KEVIN.MITSUGU.1296227@59MDW.COM, c=US Date: 2017.03.22 14:58:34 -0500</small>
	44. DATE March 22, 2017

## **4th ENDORSEMENT (59 MDW/SGVU Use Only)**

45. DATE RECEIVED	46. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> COULD NOT BE REACHED <input type="checkbox"/> LEFT MESSAGE	
47. COMMENTS <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		
48. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	49. REVIEWER SIGNATURE	50. DATE



**Who is Distressed? Applying the Diabetes-Related Distress Scale in a Diabetes Clinic**  
Joshua M. Tate<sup>1,2</sup>, MD; Jana L. Wardian<sup>2</sup>, PhD, MSW; Irene Folaron, MD<sup>1,2</sup>; Mark W. True, MD<sup>1,2</sup>; Tom J Sauerwein, MD<sup>2</sup>

<sup>1</sup> Division of Endocrinology, San Antonio Military Medical Center

<sup>2</sup> Diabetes Center of Excellence, Wilford Hall Ambulatory Surgical Center

The American Diabetes Association recently released a position statement on psychosocial care of patients with diabetes recommending assessment of diabetes-related distress (DRD) with validated scales such as the Diabetes-related Distress Scale (DDS). However, there are no published data to date describing the use of the DDS in a clinical setting. We measured DRD, using the DDS, in patients enrolled to our diabetes clinic with results reported as it pertains to diabetes type and medication regimen [Type 1 diabetes (T1DM), Type 2 diabetes with insulin use (T2DM-i), Type 2 diabetes without insulin use (T2DM)]. Chart review, of Diabetes Center of Excellence patients, identified 810 patients who completed a baseline DDS over a 1 year period. We categorized the DDS results as follows: < 2.0 = little or no DRD; 2.0-2.9 = moderate DRD; and  $\geq 3.0$  = high DRD. In addition, we evaluated four domains: Emotional Burden (EB); Physician-related Distress (PD); Regimen-related Distress (RD); and Interpersonal Distress (ID). High total DDS was most prevalent in T2DM-i patients (8.8%); mean total DDS in T2DM-i (1.79) was significantly higher compared to T1DM patients (1.61;  $p = 0.02$ ). High RD was more prevalent in T2DM-i and T2DM groups (19.1% and 18.2%, respectively), compared to patients with T1DM (11.1%) with significant differences in means between T1DM (1.84) and T2DM-i (2.12;  $p = 0.01$ ). Although means were not statistically different, high EB was most prevalent in T1DM and T2DM-i groups (17.4%; mean = 1.88 and 19.7%; mean = 2.09, respectively), compared to T2DM (10.8%; mean = 1.89). This study is the initial step to identify DRD in a clinical setting; this will allow emphasis of psychosocial interventions in each diabetes group and routine reevaluation of psychosocial well-being using DDS, with the goal of improving diabetes-related outcomes. Further research is needed to assess other contributing factors related to DRD and identify interventions to reduce DRD.

**Disclaimer:**

*The views expressed are those of the author(s)/presenter(s) and do not reflect the official views or policy of the Department of Defense or its Components.*

**Disclosure:**

The authors have no conflicts of interest relevant to this abstract to disclose.

**Correspondence:**

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